ASSIGNMENT 2 | Web Page Enhancements

This assignment relates to the following Course Learning Requirements:

CLR 1: Write program code using structured programming, and top-down coding techniques

CLR 5: Modify an existing program according to program specifications

Objective of this Assignment:

The objective of this assignment is to add tabular content to the "About Me" page from Assignment #1 and adding an interactive form to a new contact page for your website.

We will revisit these pages later in the course to apply styling and other elements to enhance the presentation of the page but for now, the aim is to create a page which contains the foundations. You will still be able add to it later.

Pre-Assignment Instructions:

1. To prepare you for this assignment, read the module 3 content and embedded examples.

Assignment Tasks:

PART 1

Note: Annex 1 of this document contains an example table which meets the requirements below.

1. Open the HTML file aboutme.html, which was created in Assignment 1
2. In the <head> section of this HTML file, add the following CSS code just above the title:
    ```
    <style>
        table, th, td {
          border: 1px solid black;
          border-collapse: collapse;
        }
      </style>
    ```
    This will add a border to the table you will add in step 3 below. Don't worry if you don't understand what this CSS code means, we will be learning more about it next week!
3. Add to the end of this HTML file, just before the copyright logo, a table with the following features:
    a. 8 columns: one which will contain the time slot labels, and seven for the days of the week (one column per day)
    b. 16 rows of time slots. The time slots should span from 8:00am until 4:00pm, in 30-minute increments.
    c. Cells containing the word "Booked" corresponding to appointments of the following duration:"
        i. At least one corresponding to a 15-minute booking
        ii. At least one corresponding to a 60-minute booking
        iii. At least one corresponding to a 90-minute booking

d. One cell containing the word "Lunch" per day, corresponding to a 30-minute booking some time between 11:00am and 2:00pm. The "Lunch" booking should correspond to a different time slot for at least two of the days. For the other days, the "Lunch" booking can occur in the same time slot.

PART 2

Note: Annex 2 of this document contains an example contact form which meets the requirements below.

1. Create a new HTML file called "contact.html"
2. Give this new page a title in its <head> element
3. Add the following to the <body> element of the page:
    a. A <div> section with id="top"
       Inside this <div> section, add the following:
          i. A heading 1 element with the words "Contact Us" as its content
          ii. A paragraph element immediately below the heading 1 element, containing the following:
                 Please complete the information below. Fields marked with * are required fields
    b. A <div> section with id="data"
       Inside this <div> section, add the following:
          i. Copy the HTML form template from Annex 3 to this <div> section
          ii. Add a form action to send an email to a sample email address (e.g. sample@email.com)
          iii. Immediately below the <legend> element containing "Your Data", add a table with a row for each of the following form input fields of the specified type - be sure to choose the correct input type for the email address and phone number such that the input is validated:

First Name*	input type: text
Last Name*	input type: text
Street Address*	input type: text
City*	input type: text
Province*	input type: dropdown list with all 13 two-letter abbreviations
Postal Code*	input type: text
Email Address*	input type: ?, with validation to ensure that the input is in the form text@text.text
Phone Number*	input type: ?, with validate to ensure that the input contains only 10 digits, each of which can range between 0 and 9

NOTE: Each of the above input fields must be marked with an asterisk (*) by using: *

          iv. Immediately below the <legend> element containing "Agreement", add the following:
              - A checkbox labeled "Accept Agreement*"
                NOTE: The checkbox label must be marked with an asterisk (*) by using: *
              - A reset button which clears all input fields and selections

- A submit button
  NOTE: upon clicking the submit button, the user's default email client should launch with the "To" field pre-populated and all the data entered by the user in the email body. This can be achieved by setting the form action accordingly in step ii. above.

v. All input fields and the checkbox must be completed by the user before the form can be submitted. If any of the fields or the checkbox are not completed, the user should not be able to submit the form.

PART 3

4. Validate both of your html files to ensure that all of the markup conforms with the latest HTML specifications. Please use the following website to validate your html file: LINK
5. Create a .zip file containing the aboutme.html file, the contact.html file, along with any other necessary files (e.g. images)
6. Submit the .zip file through Brightspace

Important notes:
- Please make sure to follow carefully the instructions above. This should be treated as requirements set out by a customer, so please ensure that they are all met as described. This is also reflected in the rubric.
- It is important to use only a regular text editor such as a Visual Studio Code (VS Code), Notepad, or Notepad++ . An IDE, such as Eclipse or Dreamweaver, cannot be used to complete this. It is highly recommended to use VS Code.

ANNEX 1 Example of the table to be created in Part 1

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8.00am - 8.30am	Available Booked	Booked Available	Available Booked	Booked	Booked Available	Available Booked	Booked
8.30am - 9.00am	Available	Booked	Booked	Available	Booked	Available	Booked
9.00am - 9.30am	Booked	Booked	Available	Booked	Booked	Booked	Booked
9.30am - 10.00am	Booked	Available Booked	Booked	Available Booked	Booked Available	Booked	Booked Available
10.00am - 10.30am	Booked	Available	Booked	Available	Booked	Available	Booked
10.30am - 11.00am	Booked	Booked	Availabe	Booked	Available	Booked	Available
11.00am - 11.30am	Booked	Booked	Booked	Booked	Booked	Booked	Booked
11.30am - 12.00pm	Booked	Booked	Booked	Booked	Booked	Booked	Booked
12.00pm - 12.30pm	Lunch		Booked	Lunch	Booked	Booked	Booked
12.30pm to 1.00pm	Booked	Booked	Lunch	Booked	Booked	Booked	Booked
1.00pm - 1.30 pm	Booked	Booked	Booked	Booked	Lunch	Booked	Lunch
1.30 pm - 2.00pm	Booked	Booked	Booked	Booked	Booked	Lunch	Booked
2.00pm - 2.30pm	Booked	Booked	Available	Booked	Available	Booked	Available
2.30pm - 3.00pm	Booked	Booked		Booked	Booked	Booked	Booked
3.00pm - 3.30pm	Booked	Booked	Booked	Booked	Booked	Booked	Booked
3.30pm - 4.00pm	Available	Booked		Available	Booked	Available	Booked

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ANNEX 2 Example of the contact form to be created in Part 2

Contact Us

Please complete the information below.
Fields marked with * are required fields.

┌─ Your Data ──┐
│   │
│   **First Name ***   [_____] 🔼   │
│   **Last Name***   [_____]   │
│ **Street Address***   [_____]   │
│   **City***   [_____]   │
│   **Province***   [Select an option   ▼]   │
│   **Postal Code***   [_____]   │
│   **Email Address***   [_____]   │
│   **Phone Number***   [_____]   │
│   │
└──┘
┌─ Agreement ──┐
│ ☐ Accept Agreement   │
│ [Reset] [Submit]   │
└──┘

ANNEX 3 HTML form template to be used in Part 2

```html
<form action="ADD ACTION" method="post">
      <fieldset>
            <legend>Your Data</legend>
            <table>
                  ADD CONTENT
            </table>
      </fieldset>
      <fieldset>
          <legend>Agreement</legend>
          ADD CONTENT
      </fieldset>
</form>
```

Assignment Grading Rubric (5%)

Page aboutme.html	Level 4	Level 3	Level 2	Level 1	Criterion Score
Timetable formatting	1.5 points Page body contains a table with eight columns, one for the time slots and one for each day of the week, and 16 rows of time slots in the first column	0.75 points Page body contains a table with eight columns, one for the time slots and one for each day of the week	0.25 points Page body contains a table with at least one column	0 points Page body does not contain a table	/ 1.5
Appointment formatting	1.5 points The timetable contains at least one booking of each of the following three durations: 1.5 hours, 1 hour, and 15 minutes	0.75 points The timetable contains at least one booking of one or more of the following three durations: 1.5 hours, 1 hour, and 15 minutes	0 points	0 points The timetable does not contain any bookings	/ 1.5
Lunch time planning	1 point The timetable contains a 30 minute lunch time every day between 11 am and 2 pm The lunch time is assigned a different time slot on at least two days	0.5 points The timetable contains a lunch time every day between 11 am and 2 pm	0.25 points The timetable contains a lunch time	0 points The timetable does not contain a lunch time	/ 1

Page contact.html	Level 2	Level 1	Criterion Score
Page head	0.2 points Page contains a <head> element with a <title>	0 points Page does not contain a <head> element with a <title>	/ 0.2
Page body	0.2 points Page body contains a heading 1 element with "Contact Us" as its content	0 points Page body does not contain a heading 1 element with "Contact Us" as its content	/ 0.2
Page body cont'd	0.2 points Page body contains a paragraph element immediately below the heading 1 element, asking the user to complete the information and noting the indicator of required fields	0 points Page body does not contain a paragraph element immediately below the heading 1 element, asking the user to complete the information and noting the indicator of required fields	/ 0.2
Page body cont'd	0.2 points Page body contains a form with method = "post" and action to send an email to a sample email address	0 points Page body does not contain a form with method = "post" and action to send an email to a sample email address	/ 0.2
Contact form	0.2 points Contact form contains a legend element for the data input section, and a legend element for the agreement section	0 points Contact form does not contain a legend element for the data input section, and a legend element for the agreement section	/ 0.2
Contact form cont'd	1.8 points Contact form contains an input field marked with * for each of the following (0.2 point each): first name, last name, street address, city, province, postal code, email address, phone number, and agreement checkbox	0 points Contact form does not contain an input field marked with * for each of the following (0.2 point each): first name, last name, street address, city, province, postal code, email address, phone number, and agreement checkbox	/ 1.8
Contact form cont'd	0.2 points Contact form input for user's province is a drop-down list with the two-letter abbreviation for each of Canada's ten provinces and three territories	0 points Contact form input for user's province is not a drop-down list with the two-letter abbreviation for each of Canada's ten provinces and three territories	/ 0.2

Contact form cont'd	0.2 points Contact form input for user's email address validates the input to ensure it is in the format A@B.C	0 points Contact form input for user's email address does not validate the input to ensure it is in the format A@B.C	/ 0.2
Contact form cont'd	0.2 points Contact form input for user's phone number validates the input to ensure it contains only 10 digits	0 points Contact form input for user's phone number does not validate the input to ensure it contains only 10 digits	/ 0.2
Contact form cont'd	0.2 points Contact form contains a clear button to clear all selections and text fields	0 points Contact form does not contain a clear button to clear all selections and text fields	/ 0.2
Contact form cont'd	0.2 points Contact form cannot be submitted unless all fields marked as required are completed	0 points Contact form can be submitted even if not all fields marked as required are completed	/ 0.2
Contact form cont'd	0.2 points Contact form contains a submit button which launches the user's default email client, with the "To" field filled with a sample email address	0 points Contact form does not contain a submit button which launches the user's default email client, with the "To" field filled with a sample email address	/ 0.2

Validation	Level 3	Level 2	Level 1	Criterion Score
Code validation	2 points Error-free validation	0.5 points Code contains some errors	0 points No code submitted to be validated	/ 2

Total	/ 10